Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE

TERMINAL USING THE SAME
Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 1

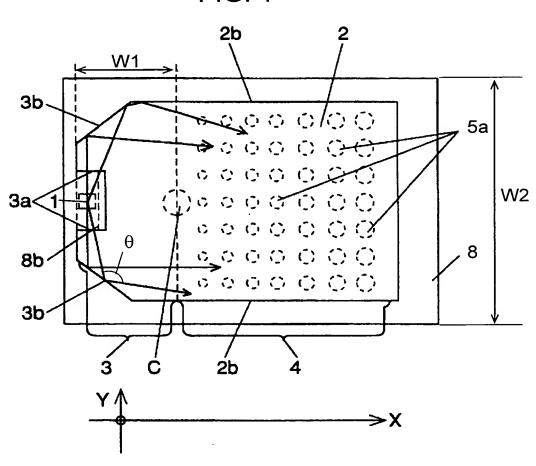
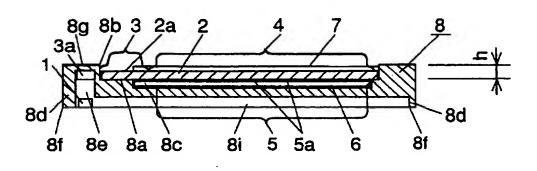
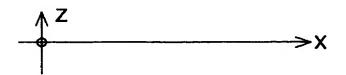


FIG. 2





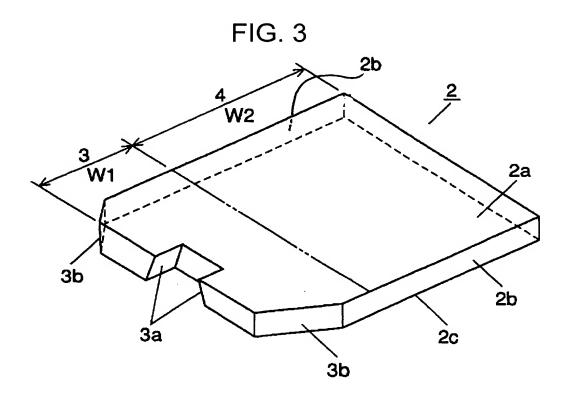


FIG. 4

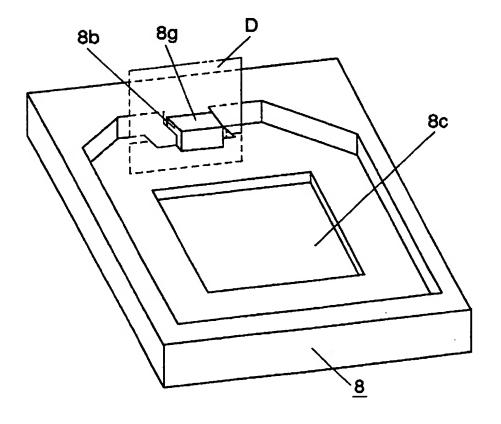


FIG. 5

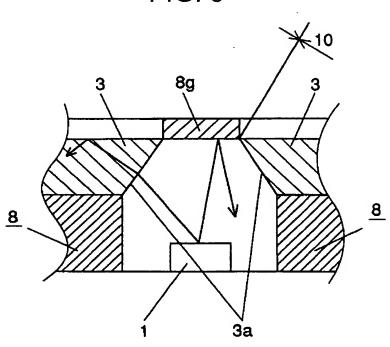


FIG. 6

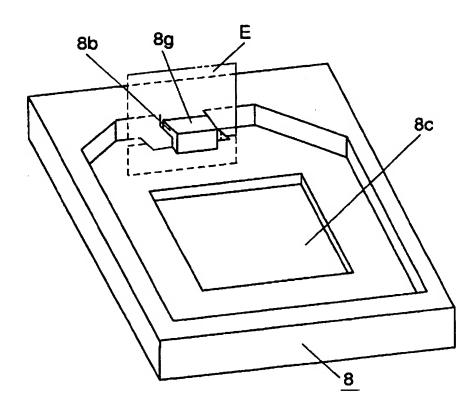


FIG. 7

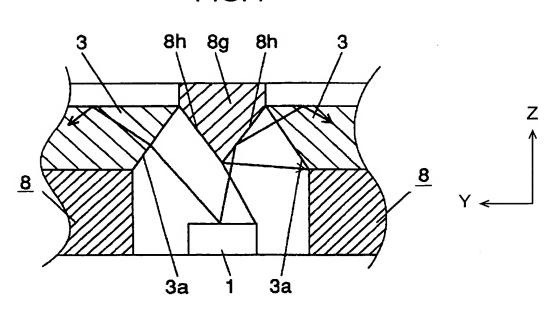


FIG. 8

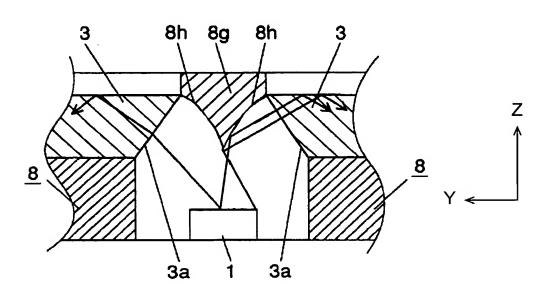
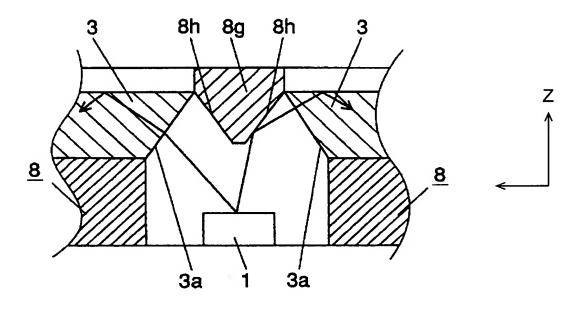


FIG. 9



Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE

TERMINAL USING THE SAME Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 10

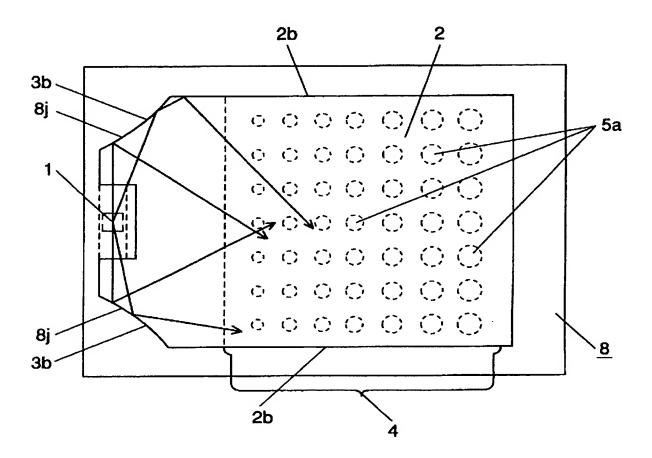


FIG. 11

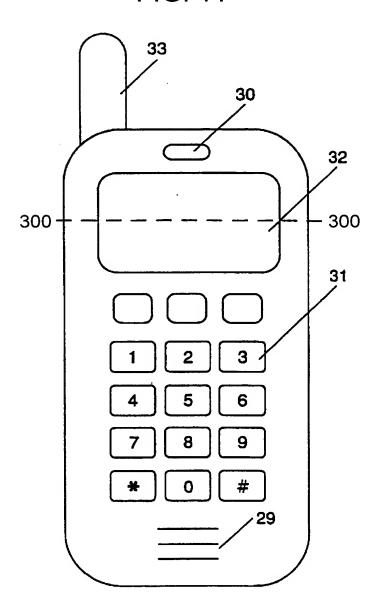
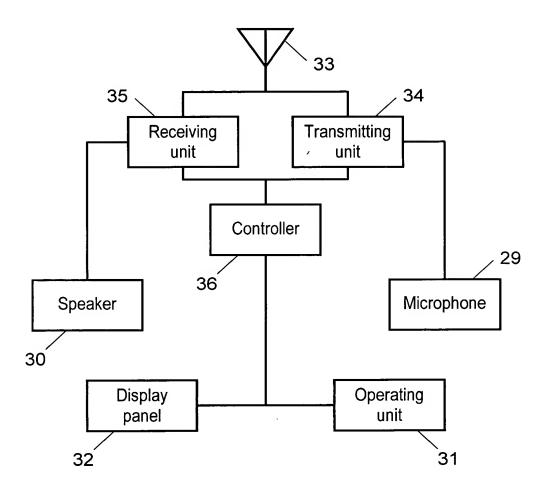


FIG. 12



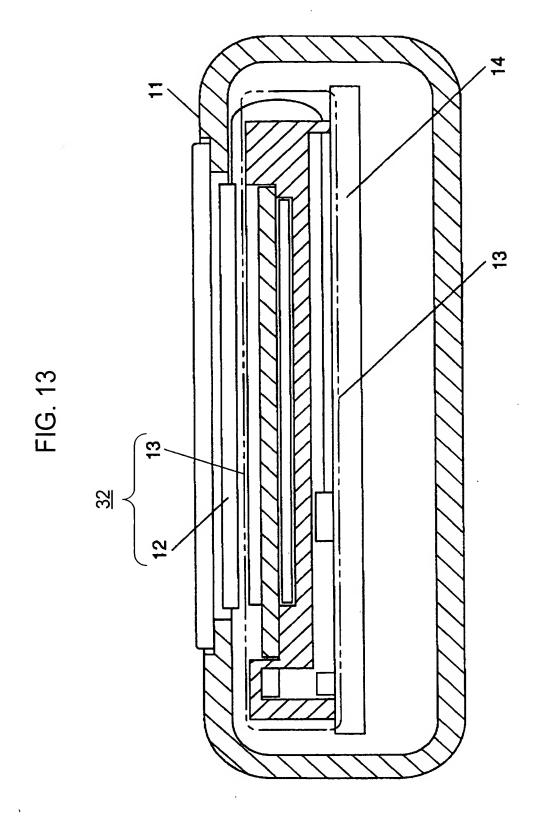


FIG. 14

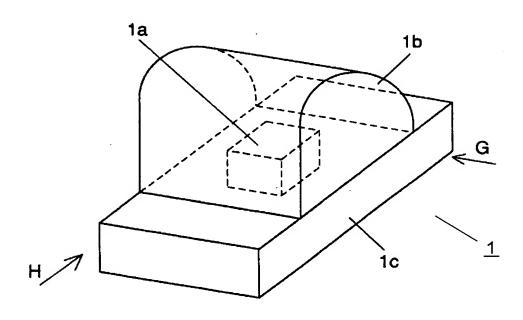


FIG. 15

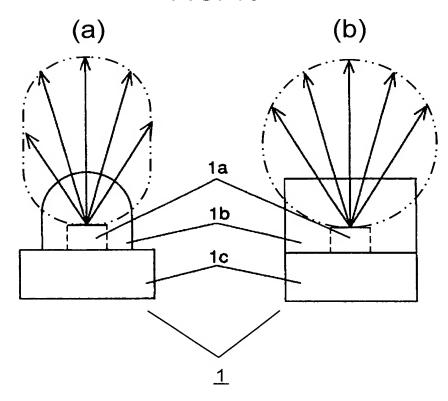
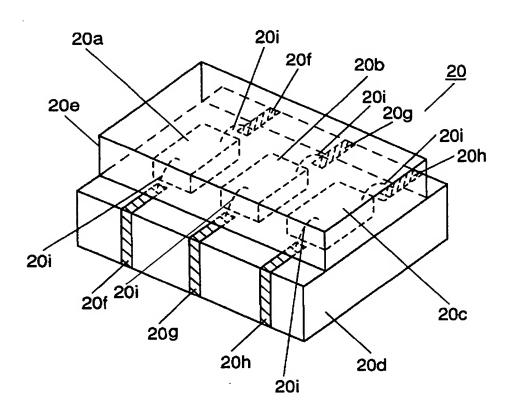


FIG. 16



Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE
TERMINAL USING THE SAME

Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 17

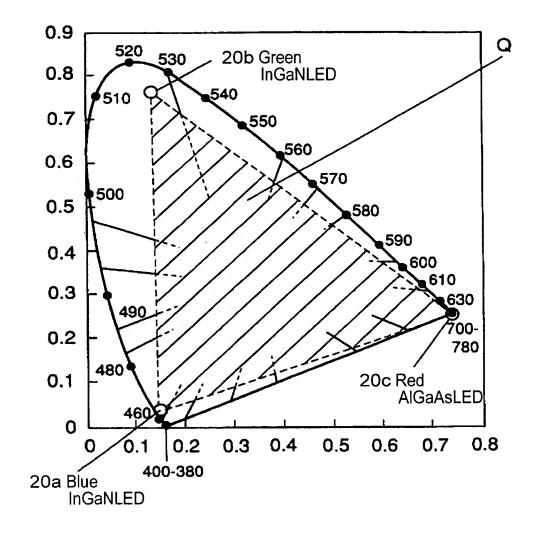
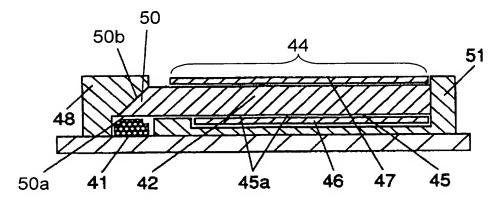


FIG. 18 50 42 43 42a 41 q 100, m. 42b 48 100

FIG. 19



Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE
TERMINAL USING THE SAME

Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 20

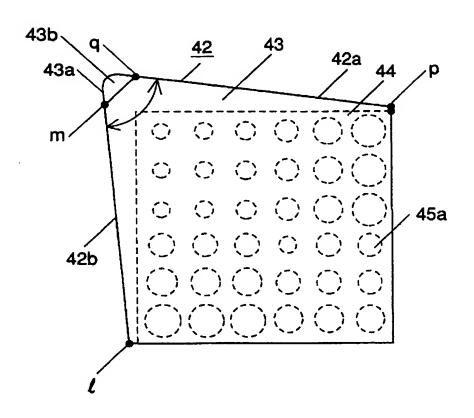


FIG. 21

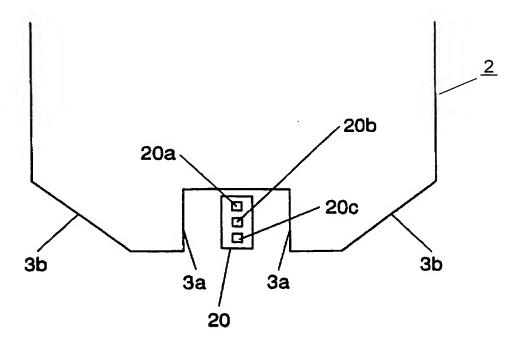


FIG. 22

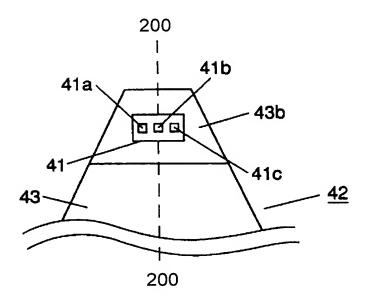


FIG. 23

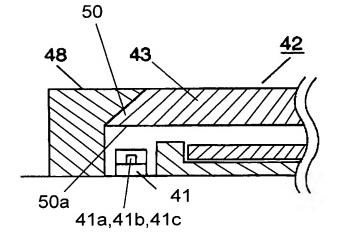


FIG. 24

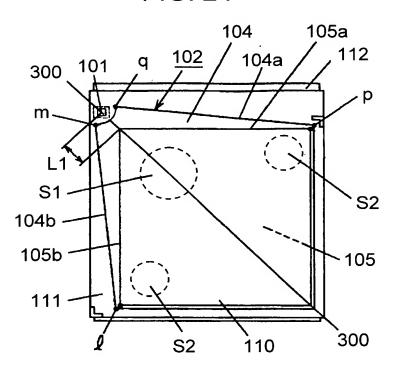
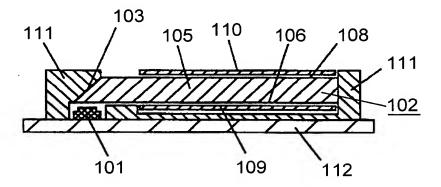


FIG. 25



Inventors: S. Manabe et al. Title: SURFACE LIGHTING DEVICE AND PORTABLE TERMINAL USING THE SAME

Our Ref.: MAT-7927US1; Customer No. 23122

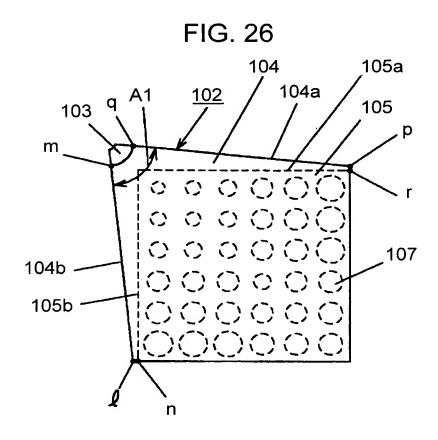


FIG. 27

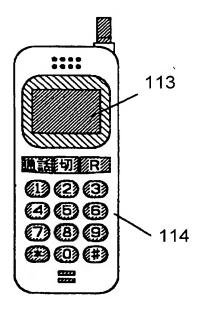
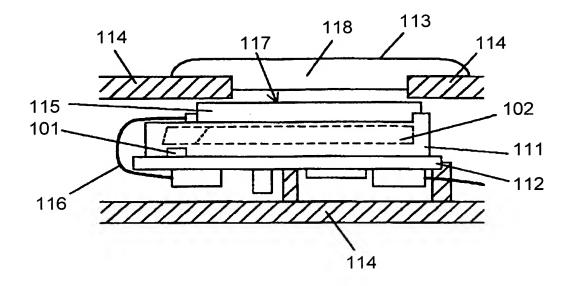


FIG. 28



Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE
TERMINAL USING THE SAME

Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 29

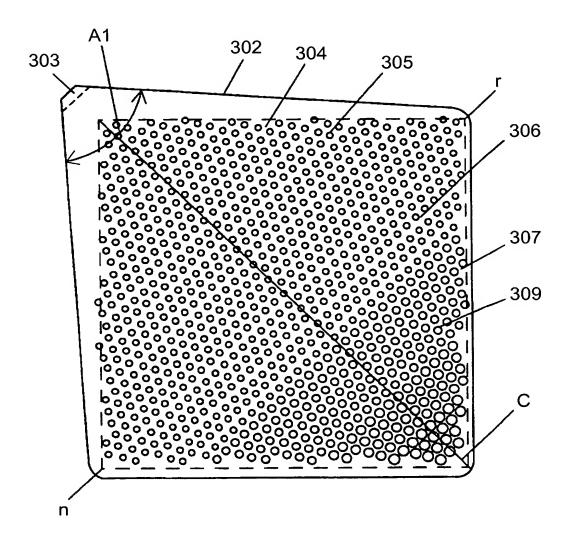


FIG. 30

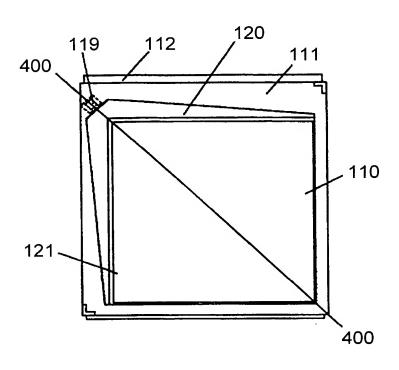


FIG. 31

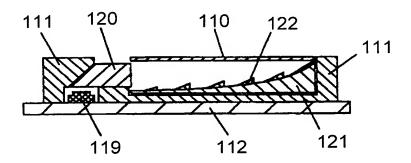
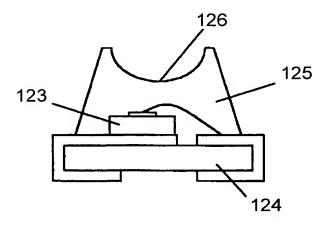


FIG. 32 A2 120 120a 103 121 104 122 120b

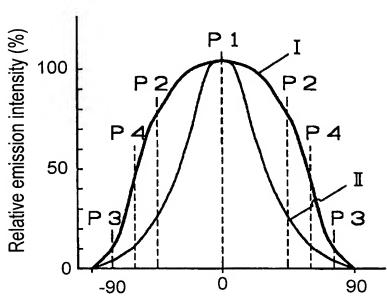
FIG. 33



Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE
TERMINAL USING THE SAME

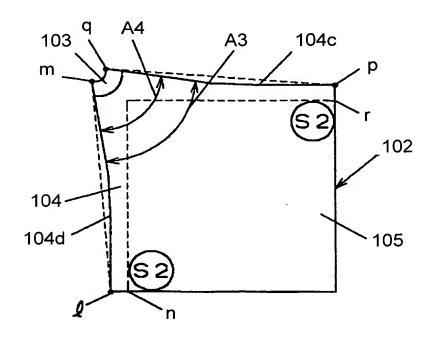
Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 34



Deviation from light axis of LED (degrees)

FIG. 35



Our Ref.: MAT-7927US1; Customer No. 23122

FIG. 36

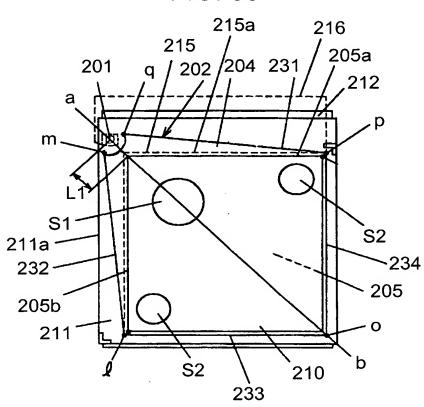


FIG. 37

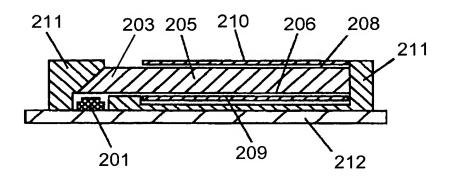


FIG. 38

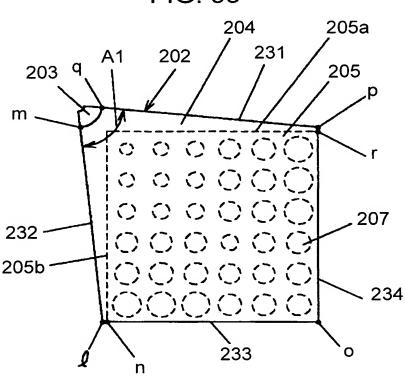


FIG. 39

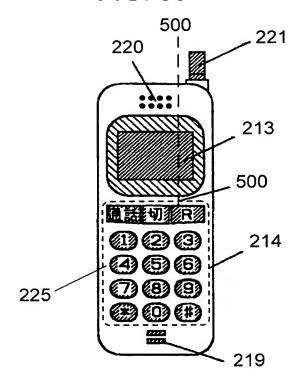


FIG. 40

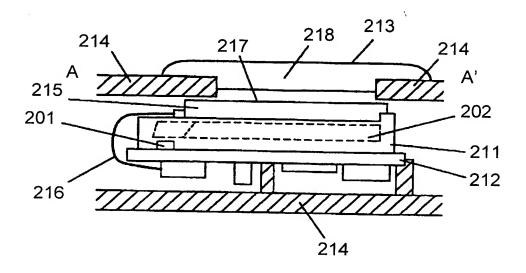


FIG. 41

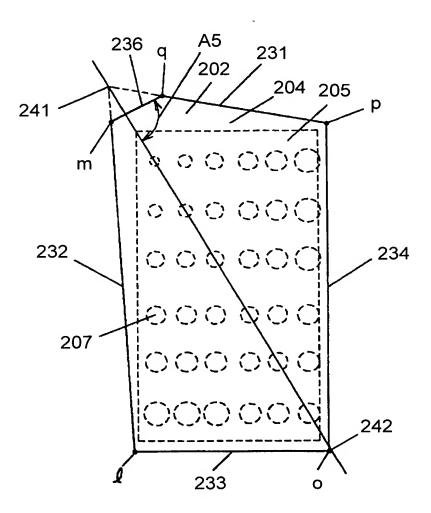


FIG. 42

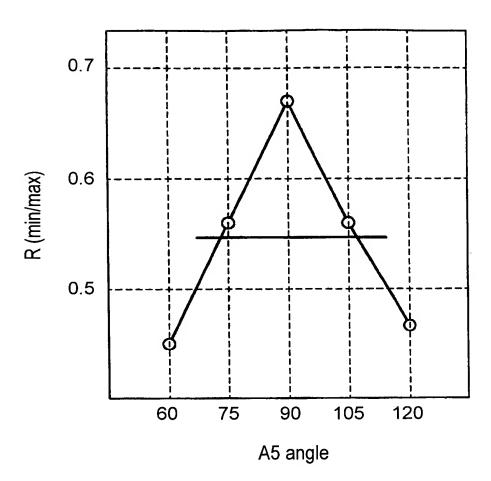


FIG. 43

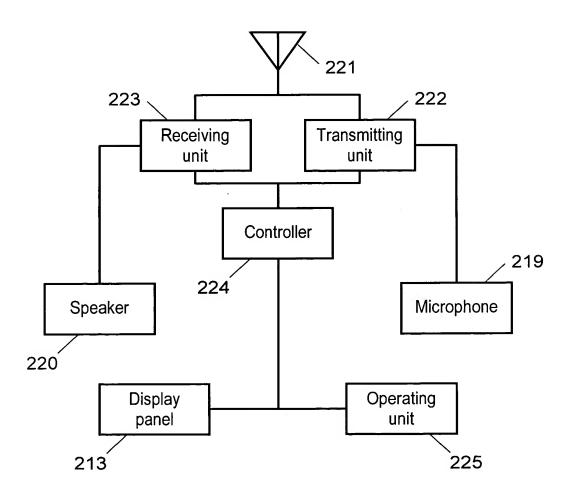
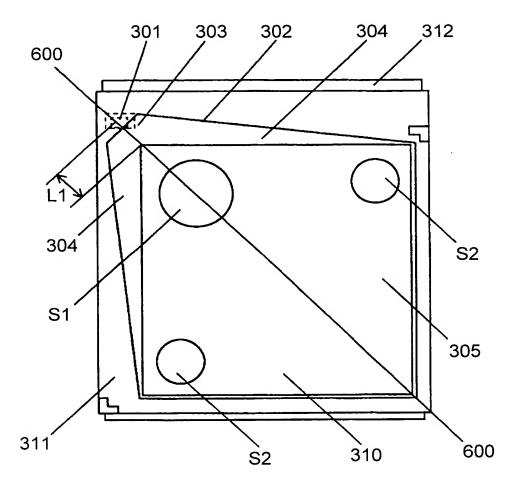
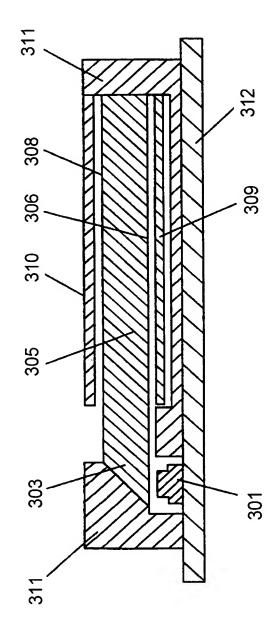


FIG. 44





Inventors: S. Manabe et al.
Title: SURFACE LIGHTING DEVICE AND PORTABLE

TERMINAL USING THE SAME
Our Ref.: MAT-7927US1; Customer No. 23,122

FIG. 46

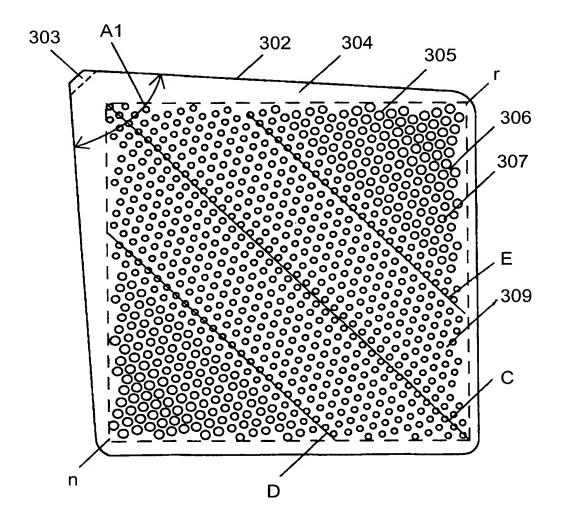


FIG. 47

